Inactivated Chlamydia Trachomatis Antigen

Antigen (C. trachomatis)
Cat. No: DAG167
Lot.No: (See product label)

PRODUCT INFORMATION

Product Overview: Inactivated Chlamydia Trachomatis Antigen by heat treatment and 0.05% Triton X100
Product Form: Inactivated Chlamydia trachomatis, LGV type II strain 434, saline lysate frozen
Target Species: Bacterial
Format: Inactivated Pathogen
Activity: This product has been rendered inactive by standard procedures. However this material should still be handled as infectious and should be disposed of appropriately.
Approx. Protein Concentrations: Batch specific. Please enquire for Certificate of Analysis.
Preparation: Optimally infected cells are washed and disrupted into a small volume of phosphate buffered saline, subjected to mechanical homogenisation and centrifuged to remove cellular debris. The lysate is then purified by sucrose gradient ultracentrifugation. The preparation is inactivated by heat treatment and 0.05% Triton X100. Inactivation is verified by two blind passages on permissive cells showing no inclusion bodies.
Applications: ELISA

REFERENCES


BACKGROUND

Introduction: Chlamydia trachomatis, an obligate intracellular human pathogen, is one of three bacterial species in the genus Chlamydia. Chlamydial infection. Advances in the diagnostic isolation of Chlamydia, including TRIC agent, from the eye, genital tract, and rectum. C. trachomatis includes three human biovars: trachoma (serovars A, B, Ba or C), urethritis (serovars D-K), and lymphogranuloma venereum (LGV, serovars L1, 2 and 3). Many, but not all, C. trachomatis strains have an extrachromosomal plasmid.

Keywords: Chlamydia Trachomatis; C. trachomatis; Chlamydia Trachomatis Antigen; C. trachomatis Antigen; Chlamydia trachomatis, LGV type II strain 434; Chlamydiaceae; Chlamydia

PACKAGING

Buffer Solution: Phosphate buffered saline. 0.05% Triton X100
Preservative Stabilisers: None present
Shelf Life: 18 months from date of reconstitution.
Storage: Store at 70°C. Storage in frost free freezers is not recommended. This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the protein.